

TITLE of the INVENTION

"Encoding and decoding methods and devices and systems using them"

TEXT of the ABSTRACT

For encoding a source sequence of symbols (\underline{u}) as an encoded sequence: the source sequence (\underline{u}) is divided (508) into p_1 first sub-sequences (\underline{U}_i), p_1 being a positive integer, and each of the first sub-sequences (\underline{U}_i) is encoded by means of a first circular convolutional encoding method; the source sequence (\underline{u}) is interleaved (506) into an interleaved sequence (\underline{u}^*); and the interleaved sequence (\underline{u}^*) is divided (507) into p_2 second sub-sequences (\underline{U}'_i), p_2 being a positive integer, and each of the second sub-sequences (\underline{U}'_i) is encoded by means of a second circular convolutional encoding method. At least one of the integers p_1 and p_2 is strictly greater than 1 and at least one of the first sub-sequences (\underline{U}_i) is not interleaved into any of the second sub-sequences (\underline{U}'_i).

Figure 5.